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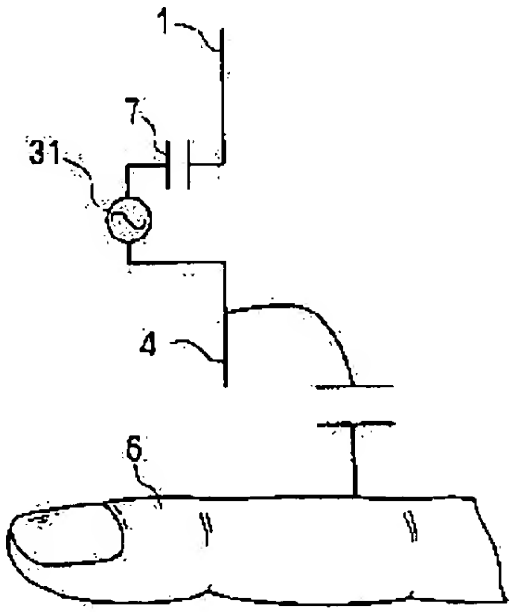
(54) ANTENNA FOR PORTABLE RADIO EQUIPMENT

(57)Abstract:
PROBLEM TO BE SOLVED: To improve the performance of an antenna for portable radio equipment.
SOLUTION: In the antenna for portable radio equipment to be used, while being mounted or held on a human body, an antenna element is configured by locating a shielding plate 4 inside a casing, which is tightly adhered on the human body, and electrostatically coupled in with the human body. Furthermore, the cover of a battery 1 provided inside the casing is used as an antenna element, and an electric field type dipole antenna is formed from these elements. Since the shielding plate 4 is electrostatically coupled via the casing to the human body, human body can be utilized as a part of antenna elements and antenna efficiency can be improved.



LEGAL STATUS

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2/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07764610 **Image available**
OBJECT SENSING APPARATUS FOR VEHICLE

PUB. NO.: 2003-258519 [JP 2003258519 A]
PUBLISHED: September 12, 2003 (20030912)
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APPL. NO.: 2002-053513 [JP 200253513]
FILED: February 28, 2002 (20020228)
INTL CLASS: H01Q-001/22; G01S-013/56; H01Q-001/32; H01Q-013/08; B60R-025/10

ABSTRACT

PROBLEM TO BE SOLVED: To provide an object sensing apparatus for a vehicle capable of excellently sensing an object.
SOLUTION: A circularly polarized wave patch **antenna** 10 is installed on a ceiling of a vehicle, and since the circularly polarized wave patch **antenna** 10 emits a **radio** wave in a way of turning a polarized plane of a composite wave of two polarized waves in a lapse of time, a dead band area by the composite wave is moved as rotation of the polarized plane of the composite wave. If an area is a dead band at a time, the area is changed into an object sensing area as time elapses. Thus, the sensing apparatus can excellently sense an object in comparison with production of linearly polarized waves.

2/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

07290046 **Image available**
ANTENNA FOR PORTABLE **RADIO** EQUIPMENT

PUB. NO.: 2002-158519 [JP 2002158519 A]
PUBLISHED: May 31, 2002 (20020531)
INVENTOR(s): **MAEDA NOBORU**
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APPLICANT(s): NIPPON SOKEN INC
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APPL. NO.: 2001-272674 [JP 2001272674]
FILED: September 07, 2001 (20010907)
PRIORITY: 2000-275402 [JP 2000275402], JP (Japan), September 11, 2000 (20000911)
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ABSTRACT

PROBLEM TO BE SOLVED: To improve the performance of an **antenna** for

01599230
Receiver, transmitter, communication system, and method of communication
Empfanger, Sender, Kommunikationssystem, und Kommunikationsverfahren
Recepteur, emetteur, systeme de communication et procede de communication
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PATENT (CC, No, Kind, Date): EP 1324513 A2 030702 (Basic)
APPLICATION (CC, No, Date): EP 2002029102 021230;
PRIORITY (CC, No, Date): JP 2001401418 011228
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; SI; SK; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO
INTERNATIONAL PATENT CLASS: H04B-007/08

ABSTRACT EP 1324513 A2
A receiver, comprising a plurality of antennas configured to receive signals that are obtained by multiplying a plurality of data symbols transmitted over a plurality of data channels using spreading codes for each of the data channels, the data symbol being transmitted over a plurality of sub-carriers having different frequencies; a spreading code multiplier configured to multiply reception signals received by the plurality of antennas using spreading codes for the data channels corresponding to the reception signals; a weight controller configured to adjust **antenna** weights by which a reception signal received by each **antenna** is to be multiplied, and sub-carrier weights by which a reception signal received over each sub-carrier is to be multiplied; a weight multiplier configured to multiply the reception signals by the **antenna** weights and the sub-carrier weights adjusted by the weight controller; and a combining unit configured to combine the reception signals multiplied by the **antenna** weights and the sub-carrier weights at the weight multiplier among the antennas and over spreading code duration of the spreading codes.
ABSTRACT WORD COUNT: 172
NOTE:
Figure number on first page: 8

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SPEC A	(English)	200327	36122
Total word count - document A			38975
Total word count - document B			0
Total word count - documents A + B			38975